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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/729,864	12/05/2003	Todd D. Wakefield	17354.4.6	8495
22913	7590	11/27/2007		
WORKMAN NYDEGGER 60 EAST SOUTH TEMPLE 1000 EAGLE GATE TOWER SALT LAKE CITY, UT 84111			EXAMINER LIE, ANGELA M	
			ART UNIT 2163	PAPER NUMBER
			MAIL DATE 11/27/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

Application No.

10/729,864

Applicant(s)

WAKEFIELD ET AL.

Examiner

Angela M. Lie

Art Unit

2163

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 07 September 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1,4-6,9,10,14,15,30 and 31 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,4-6,9,10,14,15,30 and 31 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 024107
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Objections*

1. Claim 9 is objected to because of the following informalities:
2. Claim 9 depends on claim 7, however claim 7 has been canceled. For the purposes of the examination claim 9 is considered to be dependent upon claim 1.
3. Appropriate correction is required.

### *Claim Rejections - 35 USC § 102*

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. **Claims 1, 4, 5, 9, 10, 14, 15, 30 and 31 are rejected under 35 U.S.C. 102(b) as being anticipated by Horvitz et al (US Patent No. 5864848) hereinafter Horvitz.**

**As to claims 1, 30 and 31**, Horvitz discloses a method for integrating free text (figure 7, step 1100) with structured data (figure 7, step 1400), the method comprising: accessing a database of data records containing both structured data and unstructured data (Figure 7, steps 1100 and 1400, wherein "getting a record" is accessing), the unstructured data including at least some free text, the unstructured data relating to and independent of the structured data (at first structured data and free text are independent of each other) of the data record in which the unstructured data is found (structured

data and free text are independent of each other since they have to be fetched separately); interpreting the free text linguistically and thematically to generate syntactic roles and thematic roles (column 2, lines 61-65 and column 3, lines 18-33); extracting relational facts from the synthetic roles and thematic roles (column 4, lines 50-53); integrating the relational facts with the structured data in the database of data records such that the data records relate the relational facts with the structured data (figure 9, step 1446 and figure 6B); and performing an analysis on the data records such that results of the analysis include at least some of the structured data and some of the relational facts (figure 6B, column 4, lines 36-38, wherein reviewing is considered analyzing).

**As to claim 4**, Horvitz discloses the method further comprising the step of applying case-frames while performing the extracting step (column 11, lines 1-2, i.e. patterns).

**As to claim 5**, Horvitz discloses the method further comprising structuring the relational facts into structured data tuples (figure 7, steps 1100-1400) that can be accessed and analyzed automatically.

**As to claim 9**, Horvitz discloses the method further comprising producing a file containing the integrated data (column 2, line 64).

**As to claim 10**, Hovitz discloses the method further comprising producing a file having a format selected from the group of XML, character separated values, spreadsheet format and file-based database structure (column 3, lines 39-41).

**As to claim 14**, Horvitz discloses the method performing data mining on the data records including the structured data and the relational facts (column 4, lines 23-29, wherein data mining occurs while both structured and unstructured data are compiled together).

**As to claim 15**, Horvitz discloses the method further comprising rendering a visual representation all or part of the integrated data (column 5, lines 30-34, once user modifies integrated data the visual representation of it changes, i.e. different information is displayed).

### ***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. **Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Horvitz et al (US Patent No. 5864848), hereinafter Horvitz, in view of Houle et al (US Publication No. 2007/0110313), hereinafter Houle.** Horvitz teaches the method wherein performing an analysis on the data records such that results of the analysis include at least some of the structured data and some of the relational facts (Figure 6B) further comprises one or more of: identifying uncategorized problems of an entity by correlating the relational facts with the structured data; correlating the relational facts with structured data associated with sales personnel (column 4, lines 33-35 and column

3, lines 39-41). Horvitz does not explicitly teach detecting fraud based on an analysis of the data record. Houle teaches analyzing patterns and data content as to identify potential fraud (paragraph 100). It would have been obvious to one of ordinary skill in the art during the time the invention was made to analyze the integrated data for the possibility of the fraud as it is well known in the art and it is an efficient method of identifying violation of the law such as identify theft.

### ***Inquiry***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angela M. Lie whose telephone number is 571-272-8445. The examiner can normally be reached on M-F.

9. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2163

10. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



**Angela M Lie**



**WILSON LEE  
PRIMARY EXAMINER**